

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/21042

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 12/64; H04J 13/00
 US CL : 370/466

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/466, 312, 313, 328, 328, 335, 342, 352, 389, 392, 401, 441, 465, 479; 379/900

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 BRS (EAST); IEEEExplore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 2001/0015968 A1 (SICHER et al) 23 August 2001 (23.08.2001), figure2, 3, 5, Abstract, paragraphs [0002], [0004], [0013]-[0017], [0027], [0031], [0033], [0034], [0037], [0038] and [0048].	21, 23, 25-27, 30-35, 38, 36, 38, 42, 44, 58
Y, P	US 2002/0059449 A1 (WANDEL et al) 16 May 2002 (16.05.2002), paragraphs [0037], [0058] and [0065]	13, 28
A	US 5,953,322 (KIMBALL) 14 September 1999 (14.09.1999), entire document	1-68
A, P	US 2002/0075824 A1 (WILLEKES et al) 20 June 2002 (20.06.2002), entire document	1-68
A, P	US 2001/0030955 A1 (LEE et al) 18 October 2001 (18.10.2001), entire document	1-68
A, P	US 2001/0036172 A1 (HASKAL) 01 November 2001 (01.11.2001), entire document	1-68
A, P	US2002/0071396 A1 (LEE et al) 13 June 2002 (13.06.2002), entire document	1-68
A, P	US 2001/0039197 A1 (BARKAN) 08 November 2001 (08.11.2001), entire document	1-68



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

20 August 2002 (20.08.2002)

Date of mailing of the international search report

19 DEC 2002

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A, P	US 2002/0064182 A1 (HOFFMANN et al) 30 May 2002 (30.05.2002), entire document	1-68
A, P	US 2001/0018346 A1 (OKAJIMA et al) 30 August 2001 (30.08.2001), entire document	1-68
A, P	US 2002/0065083 A1 (PATEL) 30 May 2002 (30.05.2001), entire document	1-68
A, P	US 2001/0036816 A1 (WIECK) 01 November 2001 (01.11.2001), entire document	1-68
A, P	US 2002/0085514 A1 (ILLIDGE et al) 04 July 2002 (04.07.2002), entire document	1-68
A, E	US 2002/0105926 A1 (FAMOLARI et al) 08 August 2002 (08.08.2002), entire document	1-68
A, E	US 6,434,191 B1 (AGARWAL et al) 13 August 2002 (13.08.2002), entire document	1-68
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A	McCann et al, An Internet Infrastructure for cellular CDMA Networks Using Mobile IP, IEEE Personal Communications, August 2000, pages 26-32.	1-68

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Internat application No
PCT/GB 02/05732A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01F7/18 G05D19/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01F G05D F16F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 44 13 240 A (BOSCH GMBH ROBERT) 19 October 1995 (1995-10-19) column 3, line 13 - line 65; figure 1 ---	1
A	US 6 213 442 B1 (ALTIERI RUSSELL E ET AL) 10 April 2001 (2001-04-10) abstract -----	1

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

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6 March 2003

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13/03/2003

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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